

25X1A

REPORT NO.

CD NO.

DATE DISTR. 20 Dec. 1949

NO. OF PAGES 4

NO. OF ENCLS. 2 ②
(LISTED BELOW)

SUPPLEMENT TO
REPORT NO. 25X1X

DATE OF INFO.

25X1A **RETURN TO CIA LIBRARY**

- CONFIDENTIAL**

Date: 12-06-8

25X1

[illegible]

RETURN TO RECORDS CENTER
IMMEDIATELY AFTER USE
JOB 52-33 BOX 101

20747

~~CONFIDENTIAL~~

25X1A

~~CONFIDENTIAL-CONTROL/US OFFICIALS ONLY~~

CENTRAL INTELLIGENCE AGENCY

- 2 -

Installation: 1 small foundry furnace for aluminum parts
 1 or 2 electric furnaces
 hand and mechanical molding shop

Part 3a of the building has spur tracks as well as a crane of 5-ton loading capacity which could be moved into part 3 of the building. Raw material was also stored in part 3a.
 Production: Casting of bearings.

d. Steel Foundry (No. 4)

Installation: 2 open-hearth furnaces.

Production: Casting of wheels and other steel parts.

e. Pattern-making Shop (No. 4a)

Details unknown.

f. Another foundry (No. 5)

g. Rolling Mill (No. 6)

No details available.

h. Forge (No. 7)

Installations: 1 large and 2 small steam hammers
 2 large annealing furnaces with coal firing
 1 forging furnace
 1 large cutting machine

The hardening shop with annealing furnace and the welding shop are allegedly housed in the same part of the building and at present are still under construction.

i. Assembly Department for the Assembly of Locomotive Superstructures (No. 8)

No details available.

j. Final Assembly Department (No. 9)

The building is subdivided into eight sub-departments:

- Sub-department I: It receives forged parts for frames and superstructures. The frames are assembled without wheels. It has an electric welding shop and a painting shop.
- " II: It has 30 to 40 lathes, milling, drilling, and shaping machines (including one 13-to 16-foot shaping machine for tooling frames). Small parts are produced.
- " III: Three large plate shears were observed. Transformer sheets are produced (by grinding) and transformers assembled.
- " IV: It has approximately 25 lathes, milling and grinding machines. Motor shafts (?) were tooled.
- " V: It has the central power distributing installation.
- " VI: It has 12 large lathes and shaping machines. Wheels and axles are tooled.
- " VII) Final assembly. No details available.
- " VIII)

~~CONFIDENTIAL-CONTROL/US OFFICIALS ONLY~~~~CONFIDENTIAL~~

~~CONFIDENTIAL~~
CONFIDENTIAL-CONTROL/US OFFICIALS ONLY

3
CENTRAL INTELLIGENCE AGENCY

25X1A

- 3 -

k. Motor Construction Department (7) (No. 10)

It was reported by one source [] who designated this department "generator construction department".

25X1X

l. Depot for Electrical Parts (No. 11)

According to one source [] cables are processed in this building.

25X1X

m. New Building (No. 12)

Use unknown.

n. Oxygen Depot (No. 13)

o. Administration Building (No. 14)

p. Garage (No. 15)

q. Plant Building (No. 16)

Use unknown.

5. Production

a. Construction Model

The electro-locomotives VL-19 (since 1948 in mass-production) and VL-22 were built.
Axle formula: 0-3-0, 0-3-0. Weight: 126 tons. Number of motors: 6.
Length: 53 feet. Capacity: 2,700 HP. Motor working voltage: 1,500 volt.

The VL-22 is built for a maximum speed of 46.5 miles.

b. Production Figures

(1) Only repairs were made in 1946. The first locomotives (still the old VL-22 model) were completed in March 1947. VL-19 and VL-22m models were built in April 1948. The 1948 schedule was 50 locomotives. The monthly output increased to 7 units in April 1949 (2 or 3 units in March 1947, 4 or 5 units in April 1948).

(2) The scheduled monthly output of the plant is scheduled to reach 20 locomotives in 1950, i.e., all electro-locomotives to be built in the USSR in 1950 according to this plan will be produced by this plant.

(3) A sideline production of pails and corn mills was indicated by one source [].

25X1

6. Work Force and Working Time

25X1X

The indications vary from 2,500 (early in 1948) to 3,500 (early in 1949). Work is done in three shifts of 8 hours each. []

25X1X

CONFIDENTIAL-CONTROL/US OFFICIALS ONLY

~~CONFIDENTIAL~~

25X1A

CONFIDENTIAL - 4 -

25X1A

* Comment:

The new workshops probably are buildings, the construction of which was started at the beginning of the war but had not been completed. Expansion of the plant is needed as the demand of electro-locomotives will essentially increase. (From 1946 to 1950 the electrified railroad lines increased by 3,300 miles, i.e., about 70 percent.)

25X1A

Comment:

The VL-22 locomotive has been previously reported to weigh 132 tons.

25X1A

** Comment:

25X1A

reported that work was done in two twelve-hour shifts from 8:00 AM to 8:00 PM and from 8:00 PM to 8:00 AM.

- 2 Annexes: 1 Budenny Locomotive Plant in NOVOCHERKASSK
2 Budenny Locomotive Plant in NOVOCHERKASSK

25X1A

CONFIDENTIAL